

**Iowa Department of Natural Resources
Title V Operating Permit**

Name of Permitted Facility: Cedar Manufacturing (Maax Midwest)

Facility Location: 4601 8th Avenue, Marion, IA 52302

Air Quality Operating Permit Number: 99-TV-009-M002

Expiration Date: 2/25/2004

EIQ Number: 92-9878

Facility File Number: 57-02-008

Responsible Official

Name: Jeff Doyon

Title: Environment & Technical Director

Mailing Address: 600-Cameron, Sainte-Marie de Beauce, Quebec, Canada G6E 1B2

Phone #: 1-418-387-4155

Permit Contact Person for the Facility

Name: Dave Morin

Title: Plant Manager

Mailing Address: 4601 8th Avenue, Marion, IA 52302

Phone #: 319-373-3812

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

Douglas A. Campbell, Supervisor of Air Operating Permits Section

Date

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Abbreviations

acfm.....	actual cubic feet per minute
CFR	Code of Federal Regulations
°F	degrees Fahrenheit
EIQ	emissions inventory questionnaire
gr./dscf.....	grains per dry standard cubic foot
gr./100 cf	grains per one hundred cubic feet
IAC	Iowa Administrative Code
IDNR	Iowa Department of Natural Resources
LCPH.....	Linn County Public Health
LCO	Linn County Ordinance
MVAC	motor vehicle air conditioner
NSPS	New Source Performance Standards
lb./hr	pounds per hour
lb./MMBtu.....	pounds per million British thermal units
ppmv.....	parts per million by volume
scfm	standard cubic feet per minute
TPY	Tons per year
USEPA	United States Environmental Protection Agency

Pollutants

PM	particulate matter
PM ₁₀	particulate matter equal or less than ten microns
SO ₂	sulfur dioxide
NO _x	nitrogen oxides
VOC	volatile organic compounds
CO	carbon monoxide
HAP	hazardous air pollutants

I. Facility Description and Equipment List

Facility Name: **Cedar Manufacturing**

Permit Number: **99-TV-009-M002**

Facility Description: Fiberglass fixtures

Equipment List

Emission Point Number	Associated Emission Unit(s) Number (s)	Associated Emission Unit Description
001	01A	Gel Coat Spray Booth 1
002	01B	Gel Coat Spray Booth 2
003	02	Resin Spray Booth 1
004	02	Resin Spray Booth 1
005	03	Resin Spray Booth 2
006	03	Resin Spray Booth 2
007	08	Resin Spray Booth 3
008	08	Resin Spray Booth 3
010	04	Resin Storage Tank
011	05	Gel Coat Container Storage
012	06	Resin Mixing Room
015	07	Gel Coat Pump Room

Insignificant Activities		
013	13	Make-up Air Heater Unit #1
014	14	Make-up Air Heater Unit #2

II. Plant-Wide Conditions

Facility Name: **Cedar Manufacturing**

Permit Number: **99-TV-009-M002**

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

Permit Duration

The term of this permit is: less than 5 years

Commencing on: 2/26/1999

Ending on: 2/25/2004

Amendments, modifications and reopening of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Plant-Wide Emission Limits

The atmospheric emissions from the plant as a whole shall not exceed the following:

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: 228 tons per 12 month rolling period.

Authority for Requirement: ATI 3546, 3547, 4191, 4192, 4193 and 3072

PTO 3467, 3468, 4181, 4182, 4183 and 4184

Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): 20% opacity

Authority for Requirement: LCO 10.7

SO₂: 500 parts per million by volume

Authority for Requirement: 567 IAC 23.3(3)"e"

LCO 10.12(2)

Particulate Matter: No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).

Authority for Requirement: 567 IAC 23.3(2)"a"

Particulate Matter: No person shall permit, cause, suffer or allow the emission of particulate matter into the atmosphere in any one hour from any emission point from any process equipment at a rate in excess of that specified in Table I for the process weight rate allocated to such emission point. In any case, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas or Table I of LCO section 10.9, whichever would result in the lowest allowable emission rate.

Authority for Requirement: LCO 10.9(1)

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567--IAC 23.3(2)"c" and LCO 10.13

Compliance Requirements:

Cedar Manufacturing shall demonstrate compliance with the plant-wide volatile organic compounds (VOC) limit on an emission point by emission point basis. This will be accomplished with throughput records of all VOC-containing materials in conformity with existing permit limits.

Authority for Requirement: 40 CFR 70.6 (a) (3) and (c) (1)
567 IAC 22.108 (4) and (5)

Compliance Plan

The owner/operator shall comply with the applicable requirements listed below. The compliance status is based on information provided by the applicant.

Unless otherwise noted in Section III of this permit, Cedar Manufacturing (Maax Midwest), is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which become effective during the permit term, Cedar Manufacturing (Maax Midwest), shall comply with such requirements in a timely manner.
Authority for Requirement: 567 IAC 22.108(15)

III. Emission Point-Specific Conditions

Facility Name: **Cedar Manufacturing**

Permit Number: **99-TV-009-M002**

Emission Point ID Number: 001

Associated Equipment

Associated Emission Unit ID Numbers: 01A

Emissions Control Equipment: CE01

Emissions Control Equipment Description: Paint Arrestors

Applicable Requirements

Emission Unit vented through this Emission Point: 01A

Emission Unit Description: Gel coat spray booth 01A

Raw Material/Fuel: Gel coat resin mixture

Rated Capacity: 131.5 lb mixture/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: LCPH ATI 3546 / PTO 3467
LCO 10.7

Pollutant: PM-10

Emission Limit(s): 1.99 lb/hr

Authority for Requirement: LCPH ATI 3546 / PTO3467

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr/scf

Authority for Requirement: 567 IAC 23.4 (13)
LCO 10.9(1)"n"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 55.8 tons per 12-month rolling period.

Authority for Requirement: LCPH ATI 3546 / PTO 3467
40 CFR 52.21 making the modification non-major

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 228 ton/yr for the facility Emission Cap, 12-month rolling sum.

Authority for Requirement: LCPH ATI 3546 / PTO 3467

40 CFR 52.21 making the modification non-major

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control Device:

Dry filters are used on the stack to control particulate emissions. The dry filters shall be maintained on this source in a good operating condition at all times.

Work Practice Standards:

The total VOC emissions from this gel coat spray booth shall be calculated on a monthly basis using the following criteria:

- Prior to completion of the stack test, the gel coat emissions shall be calculated using the gel coat application rate times 0.1415 lb emitted per lb applied.
- After completion of the stack test for styrene, a new emission factor shall be developed based on the VOC emitted during the test and on the gel coat applied during the test. This factor shall be used to calculate VOC emissions.

Authority for Requirement: LCPH ATI 3546 / PTO 3467

Operating Limits and Material Specifications:

- The maximum rate of the gel coat spray shall be 131.5 lb gel coat/hr per applicator gun.
- The maximum airflow shall not exceed 16,250 scfm.
- The styrene concentration by weight for all gel coats purchased/used at this facility shall not exceed the following:

Concentration	Averaging Time
38%	maximum
33.5%	quarterly average

- This gel coat spray booth shall not operate more than 6000 hours per year.

Authority for Requirement: LCPH ATI 3546 / PTO 3467

Compliance Testing and Monitoring:

The following information shall be monitored:

- Daily manometer readings during operation for each booth
- Monthly gel coat usage
- Styrene concentration for each batch of gel coat
- Monthly hours of operation read from a non-resettable hour meter for each booth

Authority for Requirement: LCPH ATI 3546 / PTO 3467

Record keeping Requirements:

A log of operation shall be maintained for the above listed unit. The following information shall be recorded and kept on site for a period of no less than five years.

- 12-month rolling emissions calculation for each unit

- Monthly gel coat usage
- Styrene concentration for each batch and quarterly average
- Monthly hours of operation
- Daily manometer readings
- Copies of test results shall be retained until a new approved representative test is conducted or for 5 years, whichever is longer.

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 3546 / PTO 3467

Reporting:

- Submit emissions report on a quarterly basis. The quarterly report summarizing the 12-month rolling emissions calculations for each unit, the monthly gel coat usage, the styrene concentration for each batch and the quarterly average, and the monthly hours of operation shall be submitted by the 15th day of the month following the end of the quarter.

Authority for Requirement; LCPH ATI 3546 / PTO 3467

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Periodic Monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 002

Associated Equipment

Associated Emission Unit ID Numbers: 01B

Emissions Control Equipment: CE01

Emissions Control Equipment Description: Paint Arrestors

Applicable Requirements

Emission Unit vented through this Emission Point: 01B

Emission Unit Description: Gel coat spray booth 01B

Raw Material/Fuel: Gel coat resin mixture

Rated Capacity: 131.5 lb mixture/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: LCPH ATI 3547 / PTO 3468
LCO 10.7

Pollutant: PM-10

Emission Limit(s): 1.99 lb/hr

Authority for Requirement: LCPH ATI 3547 / PTO3468

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr/scf

Authority for Requirement: 567 IAC 23.4 (13)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 55.8 tons per 12-month rolling period.

Authority for Requirement: LCPH ATI 3547 / PTO 3468
40 CFR 52.21 making the modification non-major

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 228 ton/yr for the facility Emission Cap, 12-month rolling sum.

Authority for Requirement: LCPH ATI 3547 / PTO 3468
40 CFR 52.21 making the modification non-major

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control Device:

Dry filters are used on the stack to control particulate emissions. The dry filters shall be maintained on this source in a good operating condition at all times.

Authority for Requirement: LCPH ATI 3547 / PTO 3468

Work Practice Standards:

The total VOC emissions from this gel coat spray booth shall be calculated on a monthly basis using the following criteria:

- Prior to completion of the stack test, the gel coat emissions shall be calculated using the gel coat application rate times 0.1415 lb emitted per lb applied.
- After completion of the stack test for styrene, a new emission factor shall be developed based on the VOC emitted during the test and on the gel coat applied during the test. This factor shall be used to calculate VOC emissions.

Authority for Requirement: LCPH ATI 3547 / PTO 3468

Operating Limits and Material Specifications:

- The maximum rate of the gel coat spray shall be 131.5 lb gel coat/hr per applicator gun.
- The maximum airflow shall not exceed 16,250 scfm.
- The styrene concentration by weight for all gel coats purchased/used at this facility shall not exceed the following:

Concentration	Averaging Time
38%	maximum
33.5%	quarterly average

- This gel coat spray booth shall not operate more than 6000 hours per year.

Authority for Requirement: LCPH ATI 3547 / PTO 3468

Compliance Testing and Monitoring:

The following information shall be monitored:

- Daily manometer readings during operation for each booth
- Monthly gel coat usage
- Styrene concentration for each batch of gel coat
- Monthly hours of operation read from a non-resettable hour meter for each booth

Authority for Requirement: LCPH ATI 3547 / PTO 3468

Record keeping Requirements:

A log of operation shall be maintained for the above listed unit. The following information shall be recorded and kept on site for a period of no less than five years.

- 12-month rolling emissions calculation for each unit
- Monthly gel coat usage
- Styrene concentration for each batch and quarterly average
- Monthly hours of operation
- Daily manometer readings
- Copies of test results shall be retained until a new approved representative test is conducted or for 5 years, whichever is longer.

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 3547 / PTO 3468

Reporting:

- Submit emissions report on a quarterly basis. The quarterly report summarizing the 12-month rolling emissions calculations for each unit, the monthly gel coat usage, the styrene concentration for each batch and the quarterly average, and the monthly hours of operation shall be submitted by the 15th day of the month following the end of the quarter.

Authority for Requirement; LCPH ATI 3547 / PTO 3468

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Periodic Monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 003 and 004

Associated Equipment

Associated Emission Unit ID Numbers: 02

Emissions Control Equipment: CE02

Emissions Control Equipment Description: Paint Arrestors

Applicable Requirements

Emission Unit vented through this Emission Point: 02

Emission Unit Description: Resin spray booth #1

Raw Material/Fuel: Chop resin mixture

Rated Capacity: 343.5 lb mixture/hr (for EP003 or 004), 687 lb mixture/hr for booth #1.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: LCPH ATI 4191 / PTO 4181
LCO 10.7

Pollutant: PM-10

Emission Limit(s): 1.99 lb/hr

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr/scf

Authority for Requirement: LCPH ATI 4191 / PTO 4181
567 IAC 23.4 (13)
LCO 10.9(1)"n"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 12.92 lb/hr, 38.76 tons per 12 month rolling period for booth #1

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 228 ton/yr for the facility emission cap, 12-month rolling sum

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control Device:

Dry filters have been installed to control particulate emissions. These filters shall be installed and well maintained when the booth is in operation. All appropriate probes and gauges needed to measure the parameters outlined under "Monitoring Requirements" shall be installed and maintained in a good operating condition.

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Work Practice Standards:

Emissions from resin spray booth #1 are emitted from parallel stacks. The total VOC emissions from resin spray booth #1 shall be calculated on a monthly basis using the following criteria:

- Emissions shall be calculated using the resin mixture application rate times 0.047 lb emitted per lb applied. (Based on most recent stack test.)
- After completion of any stack test for styrene, a new emission factor shall be developed based on the VOC emitted during the test and on the resin mixture applied during the test. This factor shall be used to calculate VOC emissions upon written approval of the factor by the Air Pollution Control Officer.

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Operating Limits and Material Specifications:

- There are two identical stacks exhausting this unit. The maximum airflow shall not exceed 16,250 scfm from each stack (32,500 scfm total). Any change in airflow shall be evaluated according to Linn County Ordinance 10.5.
- The maximum rate of resin application from spray booth #1 shall not exceed 275 lb resin per hour and/or 31 gallons per hour.
- The styrene concentration by weight for all resin purchased/used at this facility shall not exceed 50%.
- This resin spray booth shall not operation more than 6000 hours per year.

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Monitoring Requirements:

The following information shall be monitored:

- Daily spray booth manometer readings during operation
- Monthly Oddlot resin usage
- Monthly regular (40% styrene) resin usage
- Styrene concentration for each shipment of resin received
- Monthly hours of operation read from a non-resetable hour meter

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Record keeping Requirements:

A log of operation shall be maintained for the above listed unit. The following information shall be recorded and kept on site for a period of no less than five years.

- 12-month rolling emissions calculation for each unit.
- Monthly Oddlot resin usage (lbs)
- Monthly regular (40% styrene) resin usage (lbs)
- Monthly hours of operation

- Styrene concentration for each batch of resin
- Daily manometer readings
- Copies of test results shall be retained until a new approved representative test is conducted or for 5 years, whichever is longer.

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Reporting:

- Submit emissions report on quarterly basis. The quarterly report summarizing the 12-month rolling emissions calculations, the monthly Oddlot resin usage, the monthly regular (40% styrene) resin usage and the monthly hours of operation shall be submitted by the 15th day of the month following the end of the quarter.

Authority for Requirement: LCPH ATI 4191 / PTO 4181

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - Volatile Organic Compounds (VOC)

1st Stack Test to be Completed by (date) - 12/15/2000

Test Method - 40 CFR 60, App. A, Method 25A or approved alternatives.

Authority for Requirement - 567 IAC 22.108(3)

Stack testing completed on August 22, 2000, showed compliance with the above mentioned limits.

Conditions:

This stack test will represent the compliance testing for all resin spray booths (#1- EP003 and EP004, #2 – EP005 and EP006, and #3 – EP007 and EP008). If the stack test does not show compliance, the resin spray booths will require further evaluation to bring the units into continuous compliance.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 005 and 006

Associated Equipment

Associated Emission Unit ID Numbers: 03

Emissions Control Equipment: CE03

Emissions Control Equipment Description: Paint Arrestors

Applicable Requirements

Emission Unit vented through this Emission Point: 03

Emission Unit Description: Resin spray booth #2

Raw Material/Fuel: Chop resin mixture

Rated Capacity: 343.5 lb mixture/hr (for EP 005 or 006), 687 lb mixture/hr for booth #2.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: LCPH ATI 4192 / PTO 4182
LCO 10.7

Pollutant: PM-10

Emission Limit(s): 1.99 lb/hr

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr/scf

Authority for Requirement: LCPH ATI 4192 / PTO 4182
567 IAC 23.4 (13)
LCO 10.9(1)"n"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 12.92 lb/hr, 38.76 tons per 12 month rolling period for booth #2.

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 228 ton/yr for the facility emission cap, 12-month rolling sum

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control Device:

Dry filters have been installed to control particulate emissions. These filters shall be installed and well maintained when the booth is in operation. All appropriate probes and gauges needed to measure the parameters outlined under "Monitoring Requirements" shall be installed and maintained in a good operating condition.

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Work Practice Standards:

Emissions from resin spray booth #2 are emitted from parallel stacks. The total VOC emissions from resin spray booth #2 shall be calculated on a monthly basis using the following criteria:

- Emissions shall be calculated using the resin mixture application rate times 0.047 lb emitted per lb applied. (Based on most recent stack test.)
- After completion of any stack test for styrene, a new emission factor shall be developed based on the VOC emitted during the test and on the resin mixture applied during the test. This factor shall be used to calculate VOC emissions upon written approval of the factor by the Air Pollution Control Officer.

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Operating Limits and Material Specifications:

- There are two identical stacks exhausting this unit. The maximum airflow shall not exceed 16,250 scfm from each stack (32,500 scfm total). Any change in airflow shall be evaluated according to Linn County Ordinance 10.5.
- The maximum rate of resin application from spray booth #1 shall not exceed 275 lb resin per hour and/or 31 gallons per hour.
- The styrene concentration by weight for all resin purchased/used at this facility shall not exceed 50%.
- This resin spray booth shall not operation more than 6000 hours per year.

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Monitoring Requirements:

The following information shall be monitored:

- Daily spray booth manometer readings during operation
- Monthly Oddlot resin usage
- Monthly regular (40% styrene) resin usage
- Styrene concentration for each shipment of resin received
- Monthly hours of operation read from a non-resettable hour meter

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Record keeping Requirements:

A log of operation shall be maintained for the above listed unit. The following information shall be recorded and kept on site for a period of no less than five years.

- 12-month rolling emissions calculation for each unit.
- Monthly Oddlot resin usage (lbs)
- Monthly regular (40% styrene) resin usage (lbs)
- Monthly hours of operation

- Styrene concentration for each batch of resin
- Daily manometer readings
- Copies of test results shall be retained until a new approved representative test is conducted or for 5 years, whichever is longer.

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Reporting:

- Submit emissions report on quarterly basis. The quarterly report summarizing the 12-month rolling emissions calculations, the monthly Oddlot resin usage, the monthly regular (40% styrene) resin usage and the monthly hours of operation shall be submitted by the 15th day of the month following the end of the quarter.

Authority for Requirement: LCPH ATI 4192 / PTO 4182

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

See stack test conditions for emission points 003 and 004 on page 16.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 007 and 008

Associated Equipment

Associated Emission Unit ID Numbers: 08

Emissions Control Equipment: CE08

Emissions Control Equipment Description: Paint Arrestors

Applicable Requirements

Emission Unit vented through this Emission Point: 08

Emission Unit Description: Resin spray booth #3

Raw Material/Fuel: Chop resin mixture

Rated Capacity: 343.5lb mixture/hr (for EP 007 or 008), 687 lb mixture/hr for booth #3.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: LCPH ATI 4193 / PTO 4183
LCO 10.7

Pollutant: PM-10

Emission Limit(s): 1.99 lb/hr

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr/scf

Authority for Requirement: LCPH ATI 4193 / PTO 4183
567 IAC 23.4 (13)
LCO 10.9(1)"n"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 12.92 lb/hr, 38.76 tons per 12 month rolling period for booth #3

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 228 ton/yr for the facility emission cap, 12-month rolling sum

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control Device:

Dry filters have been installed to control particulate emissions. These filters shall be installed and well maintained when the booth is in operation. All appropriate probes and gauges needed to measure the parameters outlined under "Monitoring Requirements" shall be installed and maintained in a good operating condition.

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Work Practice Standards:

Emissions from resin spray booth #3 are emitted from parallel stacks. The total VOC emissions from resin spray booth #3 shall be calculated on a monthly basis using the following criteria:

- Emissions shall be calculated using the resin mixture application rate times 0.047 lb emitted per lb applied. (Based on most recent stack test.)
- After completion of any stack test for styrene, a new emission factor shall be developed based on the VOC emitted during the test and on the resin mixture applied during the test. This factor shall be used to calculate VOC emissions upon written approval of the factor by the Air Pollution Control Officer.

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Operating Limits and Material Specifications:

- There are two identical stacks exhausting this unit. The maximum airflow shall not exceed 16,250 scfm from each stack (32,500 scfm total). Any change in airflow shall be evaluated according to Linn County Ordinance 10.5.
- The maximum rate of resin application from spray booth #1 shall not exceed 275 lb resin per hour and/or 31 gallons per hour.
- The styrene concentration by weight for all resin purchased/used at this facility shall not exceed 50%.
- This resin spray booth shall not operation more than 6000 hours per year.

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Monitoring Requirements:

The following information shall be monitored:

- Daily spray booth manometer readings during operation
- Monthly Oddlot resin usage
- Monthly regular (40% styrene) resin usage
- Styrene concentration for each shipment of resin received
- Monthly hours of operation read from a non-resetable hour meter

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Record keeping Requirements:

A log of operation shall be maintained for the above listed unit. The following information shall be recorded and kept on site for a period of no less than five years.

- 12-month rolling emissions calculation for each unit.
- Monthly Oddlot resin usage (lbs)
- Monthly regular (40% styrene) resin usage (lbs)
- Monthly hours of operation

- Styrene concentration for each batch of resin
- Daily manometer readings
- Copies of test results shall be retained until a new approved representative test is conducted or for 5 years, whichever is longer.

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Reporting:

- Submit emissions report on quarterly basis. The quarterly report summarizing the 12-month rolling emissions calculations, the monthly Oddlot resin usage, the monthly regular (40% styrene) resin usage and the monthly hours of operation shall be submitted by the 15th day of the month following the end of the quarter.

Authority for Requirement: LCPH ATI 4193 / PTO 4183

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

See stack test conditions for emission points 003 and 004 on page 16.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 010

Associated Equipment

Associated Emission Unit ID Numbers: 04

Applicable Requirements

Emission Unit vented through this Emission Point: 04

Emission Unit Description: Resin Storage Tank

Raw Material/Fuel: Resin

Rated Capacity: 7000 gallons

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.02 tons per 12 month rolling period

Authority for Requirement: LCPH ATI 3072 / PTO 4184

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 228 ton/yr for the facility emission cap, 12-month rolling sum

Authority for Requirement: LCPH ATI 3072 / PTO 4184

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating limits:

The storage tank has a capacity of 7000 gallons. The maximum throughput rate shall be 555,555 gallons resin per year and/or 9,900,000 lbs resin per year.

Authority for Requirement: LCPH ATI 3072 / PTO 4184

Compliance Testing and Monitoring:

The following information shall be monitored:

- Monthly Oddlot resin throughput
- Monthly regular (40% styrene content) resin throughput.

Authority for Requirement: LCPH ATI 3072 / PTO 4184

Record keeping Requirements:

A log of operation shall be maintained for this tank. The following information shall be recorded and kept on site for a period of no less than five years.

- Monthly Oddlot resin throughput
- Monthly regular (40% styrene content) resin throughput

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 3072 / PTO 4184

Reporting:

- Submit emissions report on a quarterly basis. The quarterly report summarizing the monthly Oddlot resin throughput and monthly regular (40% styrene content) resin throughput shall be submitted by the 15th day of the month following the end of the quarter.

Authority for Requirement: LCPH ATI 3072 / PTO 4184

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Periodic Monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 011

Associated Equipment

Associated Emission Unit ID Numbers: 05

Applicable Requirements

Emission Unit vented through this Emission Point: 05

Emission Unit Description: Gel coat container storage room

Raw Material/Fuel: Gel coat containers

Rated Capacity: 50 barrels

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Not Applicable.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating limits:

The maximum airflow is 500 scfm. Steps shall be taken to prevent spills or leaks. Spills shall be cleaned-up promptly.

Authority for Requirement: LCPH ATI 3073 / PTO 3344

Recordkeeping Requirements:

A log of operation shall be maintained for this room. The following information shall be recorded and kept on site for a period of not less than five (5) years.

- Spill event shall be recorded including the date and time of occurrence, quantity of spill, and estimate time before cleanup completed.

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 3073 / PTO 3344

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Periodic Monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 012

Associated Equipment

Associated Emission Unit ID Numbers: 06

Applicable Requirements

Emission Unit vented through this Emission Point: 06

Emission Unit Description: Resin Mixing room

Raw Material/Fuel: Resin

Rated Capacity: 10,000 lbs/day

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Not Applicable.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating limits:

- The resin is conveyed through a closed system to the mixing room. Mixing occurs in closed vessels. The resin is then conveyed through a closed system to the resin spray booths. Steps shall be taken to prevent leaks. Leaks shall be repaired promptly.
- The maximum airflow is 500 scfm.

Authority for Requirement: LCPH ATI 3074 / PTO 3345

Recordkeeping Requirements:

A log of operation shall be maintained for this room. The following information shall be recorded and kept on site for a period of not less than five (5) years.

- Leaks shall be recorded including the date observed and date repaired.

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 3074 / PTO 3345

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Periodic Monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 015

Associated Equipment

Associated Emission Unit ID Numbers: 07

Applicable Requirements

Emission Unit vented through this Emission Point: 07

Emission Unit Description: Gel Coat Pump Room

Raw Material/Fuel: Gel Coat

Rated Capacity: 1,576,629 lbs per year

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 3322 / PTO 3346
LCO 10.7

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits:

- The maximum airflow is 490 scfm from the stack.

Authority for Requirement: LCPH ATI 3322 / PTO 3346

Recordkeeping Requirements:

A log of operation shall be maintained for this room. The following information shall be recorded and kept on site for a period of not less than five (5) years.

- Spill event shall be recorded including the date and time of occurrence, quantity of spill, and estimate time before cleanup completed.
- These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: 40 CFR 70.6 and 567 IAC 22.108

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Periodic Monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"3*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

G2. Permit Expiration

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, four or more copies of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period

consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
 - a. Form 1.0 "Facility Identification";
 - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
 - c. Form 5.0 "Title V annual emissions summary/fee"; and
 - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
 - a. Form 1.0 "Facility Identification";
 - b. Form 5.0 "Title V annual emissions summary/fee";
 - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records:

- a. The date, place and time of sampling or measurements
- b. The date the analyses were performed.
- c. The company or entity that performed the analyses.
- d. The analytical techniques or methods used.
- e. The results of such analyses; and
- f. The operating conditions as existing at the time of sampling or measurement.
- g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
- a. Comply with all terms and conditions of this permit specific to each alternative scenario.
 - b. Maintain a log at the permitted facility of the scenario under which it is operating.
 - c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G12. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in *567 IAC 131.2(2), 567 IAC Chapter 131-State Only*

G13. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. 567 IAC 24.1(1)-567 IAC 24.1(4)

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The facility at the time was being properly operated;
- c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
- d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

G14. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G12 and G13). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G15. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), *567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories)* or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

G16. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
 - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
 - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
 - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
 - d. The changes are not subject to any requirement under Title IV of the Act.
 - e. The changes comply with all applicable requirements.
 - f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

- i. A brief description of the change within the permitted facility,
- ii. The date on which the change will occur,
- iii. Any change in emission as a result of that change,
- iv. The pollutants emitted subject to the emissions trade
- v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
- vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
- vii. Any permit term or condition no longer applicable as a result of the change.

567 IAC 22.110(1)

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC*

22.110(2)

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*

5. Aggregate Insignificant Emissions. The permittee shall not construct, establish or operate any new insignificant activities or modify any existing insignificant activities in such a way that the emissions from these activities no longer meet the criteria of aggregate insignificant emissions. If the aggregate insignificant emissions are expected to be exceeded, the permittee shall submit the appropriate permit modification and receive approval prior to making any change. *567 IAC 22.103(2)*

6. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G17. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that is required to do any of the following:

- i. Correct typographical errors
- ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
- iii. Require more frequent monitoring or reporting by the permittee; or
- iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility,

coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Permit Modification.

a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:

- i. Do not violate any applicable requirements
- ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.
- iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.
- iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;
- v. Are not modifications under any provision of Title I of the Act; and
- vi. Are not required to be processed as significant modification.

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

- i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.
- ii. The permittee's suggested draft permit
- iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and
- iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. 567 IAC 22.111-567 IAC 22.113 The permittee shall submit an application for a significant permit modification at least 6 months prior to the date of the proposed modification. 567 IAC 22.105(1)a(4)

G18. Duty to Obtain Construction Permits

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. 567 IAC 22.1(1)

G19. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. 567 IAC 23.1(3)"a", and 567 IAC 23.2

G20. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. 567 IAC 23.2 *except* 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only

G21. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. 567 IAC 22.108(7)

G22. Stratospheric Ozone and Climate Protection (Title VI) Requirements

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
- b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
- c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
- d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
 - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G23. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
 - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

- b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
- a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination;
 - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
 - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
 - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
 - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G24. Permit Shield

Compliance with the conditions of this permit shall be deemed compliance with the applicable requirements included in this permit as of the date of permit issuance.

This permit shield shall not alter or affect the following:

- 1. The provisions of section 303 of the Act (emergency orders), including the authority of the administrator under that section;
- 2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- 3. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
- 4. The ability of the department or the administrator to obtain information from the facility pursuant to section 114 of the Act. *567 IAC 22.108 (18)*

G25. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. 567 IAC 22.108 (8)

G26. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. 567 IAC 22.108 (9)"d"

G27. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. 567 IAC 22.111 (1)"d"

G28. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. 567 IAC 22.3(3)"c"

G29. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G30. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.

567 IAC 26.1(1)

G31. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits
EPA Region 7
Air Permits and Compliance Branch
901 N. 5th Street
Kansas City, KS 66101
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

Field Office 1

909 West Main – Suite 4
Manchester, IA 52057
(319) 927-2640

Field Office 2

P.O. Box 1443
2300-15th St., SW
Mason City, IA 50401
(641) 424-4073

Field Office 3

1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4

1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934

Field Office 5

401 SW 7th Street, Suite I
Des Moines, IA 50309
(515) 725-0268

Field Office 6

1004 W. Madison
Washington, IA 52353
(319) 653-2135

Polk County Public Health Dept.

Air Quality Division
5895 NE 14th St.
Des Moines, IA 50313
(515) 286-3351

Linn County Public Health Dept.

Air Quality Division
501 13th St., NW
Cedar Rapids, IA 52405
(319) 892-6000